

City of Port Orchard's Pilot Project



Water Resources
JLTF Briefing

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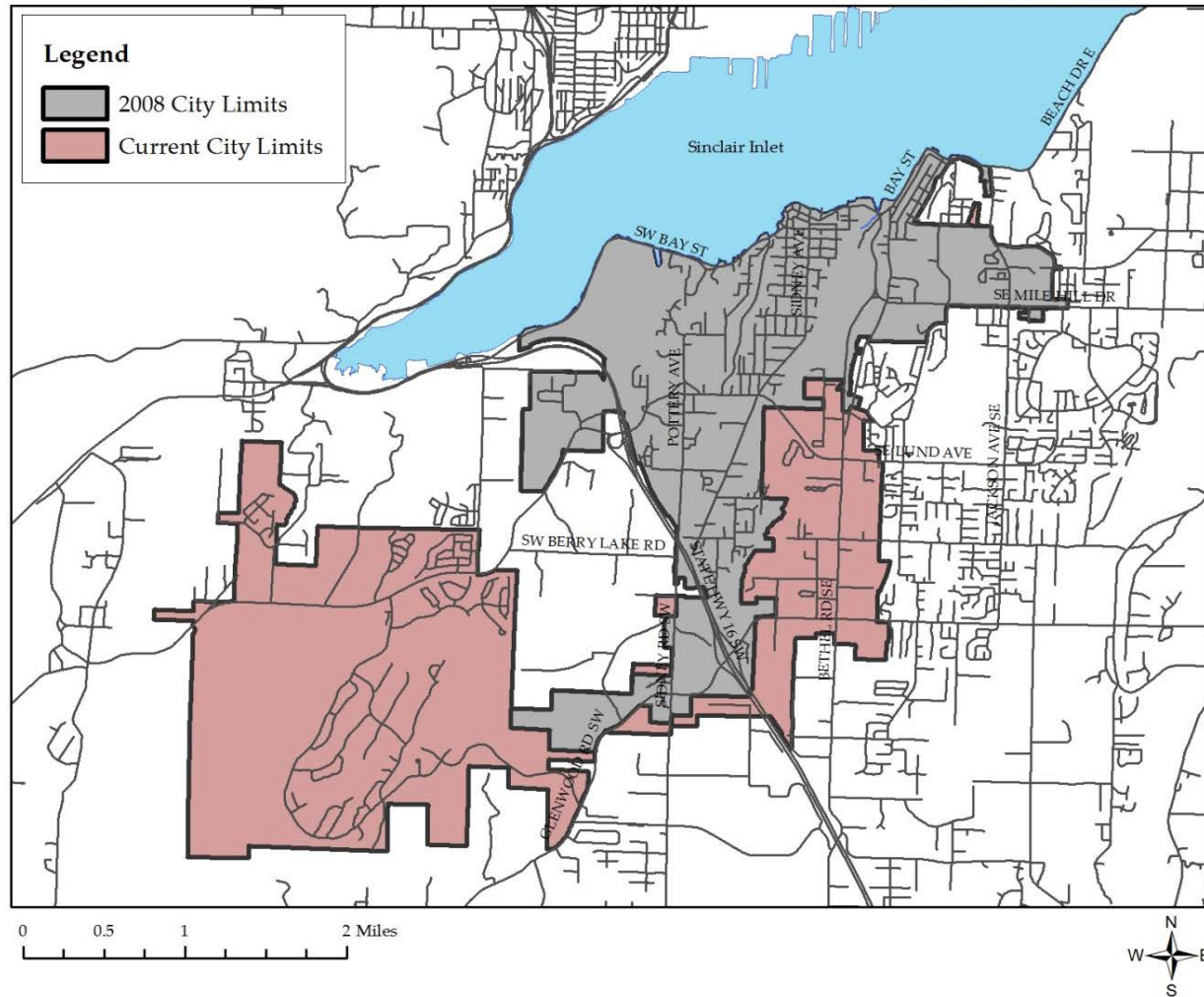


June 22, 2018

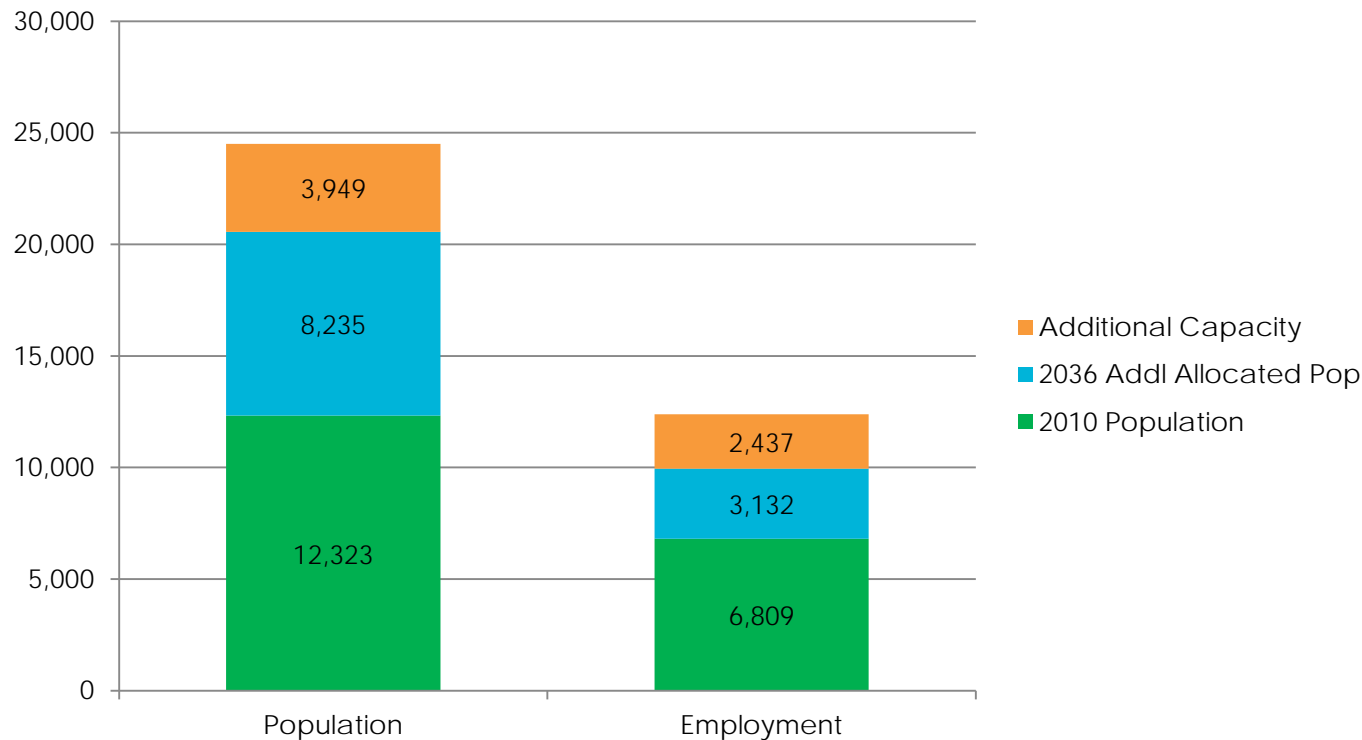
OVERVIEW



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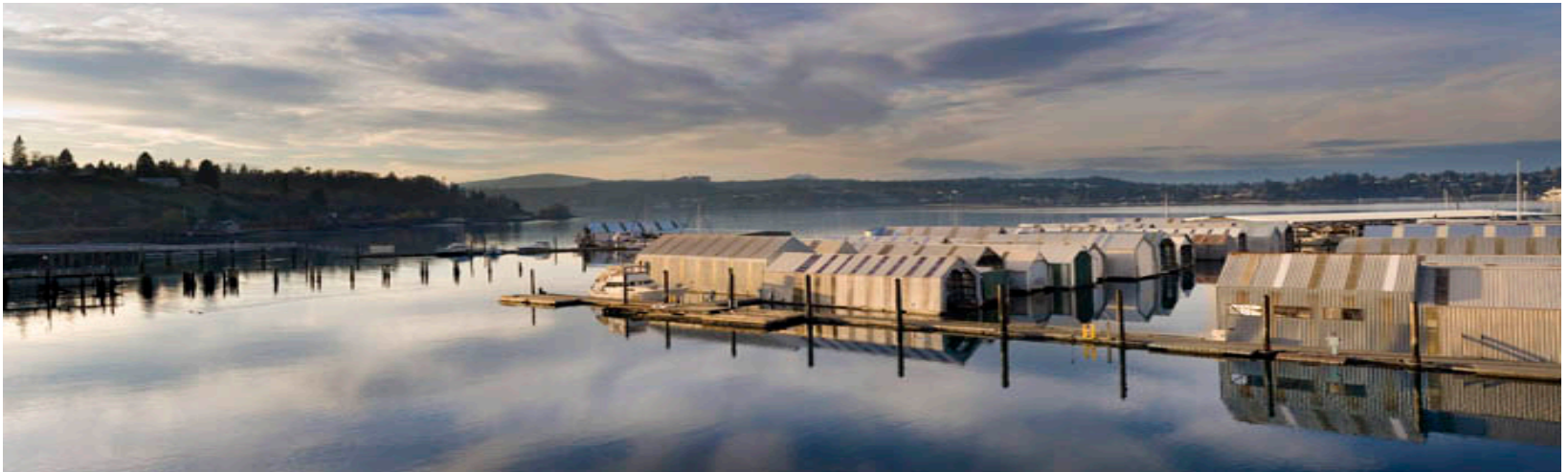
Port Orchard GMA Plan: Growth Projections



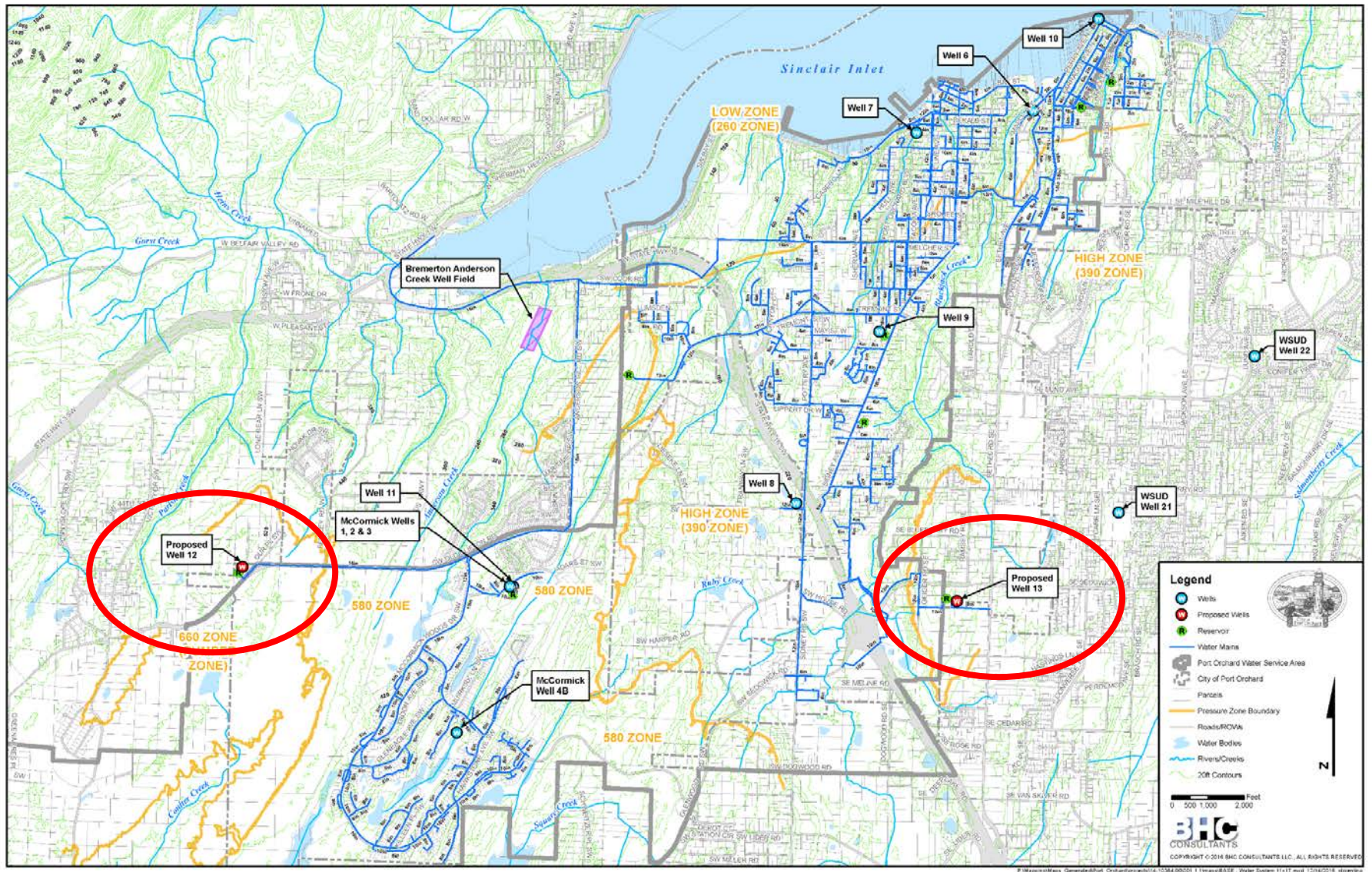
- ❑ 147% increase in population by 2036
- ❑ 145% increase in net employment
- ❑ These numbers **do not** include annexation of UGA

PROJECT OVERVIEW

- ❑ Well #12 and #13 - Reaching a Deeper Aquifer which results in reducing impacts on surface water.
- ❑ USGS Groundwater Model of the Kitsap Peninsula
- ❑ Public Health and Safety Benefit
- ❑ Mitigation Consistent with ESSB 6091 Sequence



NEW WELLS



Foster Standard Impediments

- There is significant need for basin centric solutions that allow for flexible mitigation which is currently **not allowed** by the *Foster v. Ecology* Decision

- Modeled Impacts can be regional yet very small.
- Infrastructure distance to modeled impact can be extreme.
- 100 % replacement mitigation is unavailable.

ESSB 6091 Part 3

Mitigation Sequence

a) Avoidance:

- a) Impacts from deep aquifer wells are dispersed over time and distance.
- b) Interruptible municipal water rights cannot satisfy growth demands.

b) Minimization

- a) Piping mitigation lines to nearby creeks where feasible and investigating system consolidation and/or water right retirement.
- b) Making water rights non-additive through replacement wells.

c) Net Ecological Benefit

- a) Consulting with the Department of Fish and Wildlife and the Suquamish Tribe to identify the greatest habitat needs and benefits.

Thank You

Questions?

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Special Thanks to:

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